AMC Technical Data Workshop Data Exchange Session Introduction

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Objective

- **To establish a strategy for achieving reasonably consistent Technical Data (TD) practices throughout the US Army Materiel Command (AMC) to optimize efficiencies and cost effectiveness.**

- Recommend AMC Policy changes that can be implemented immediately
- Identify issues and actions needing further resolution

Data Exchange ...
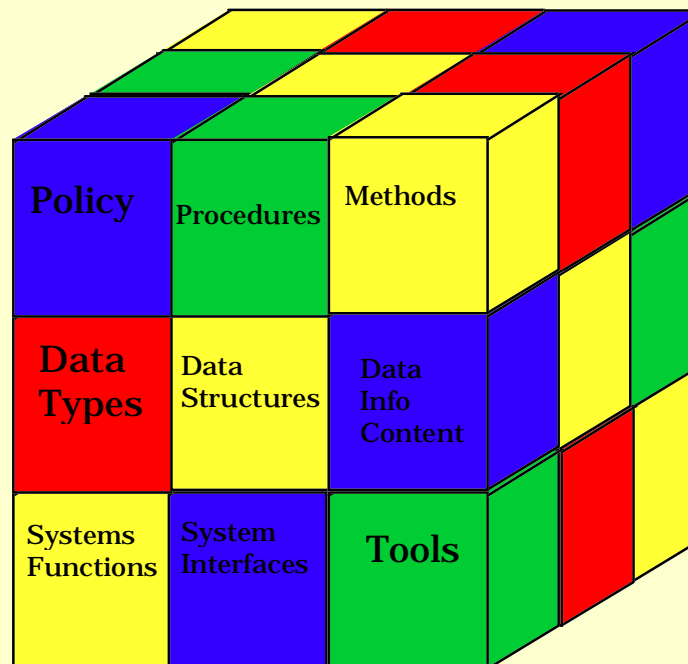# A Large and Complex Area

Customer

Affects Everyone

- **Manage Data**

Government
Primes

Automation is an enabler for the Business Process

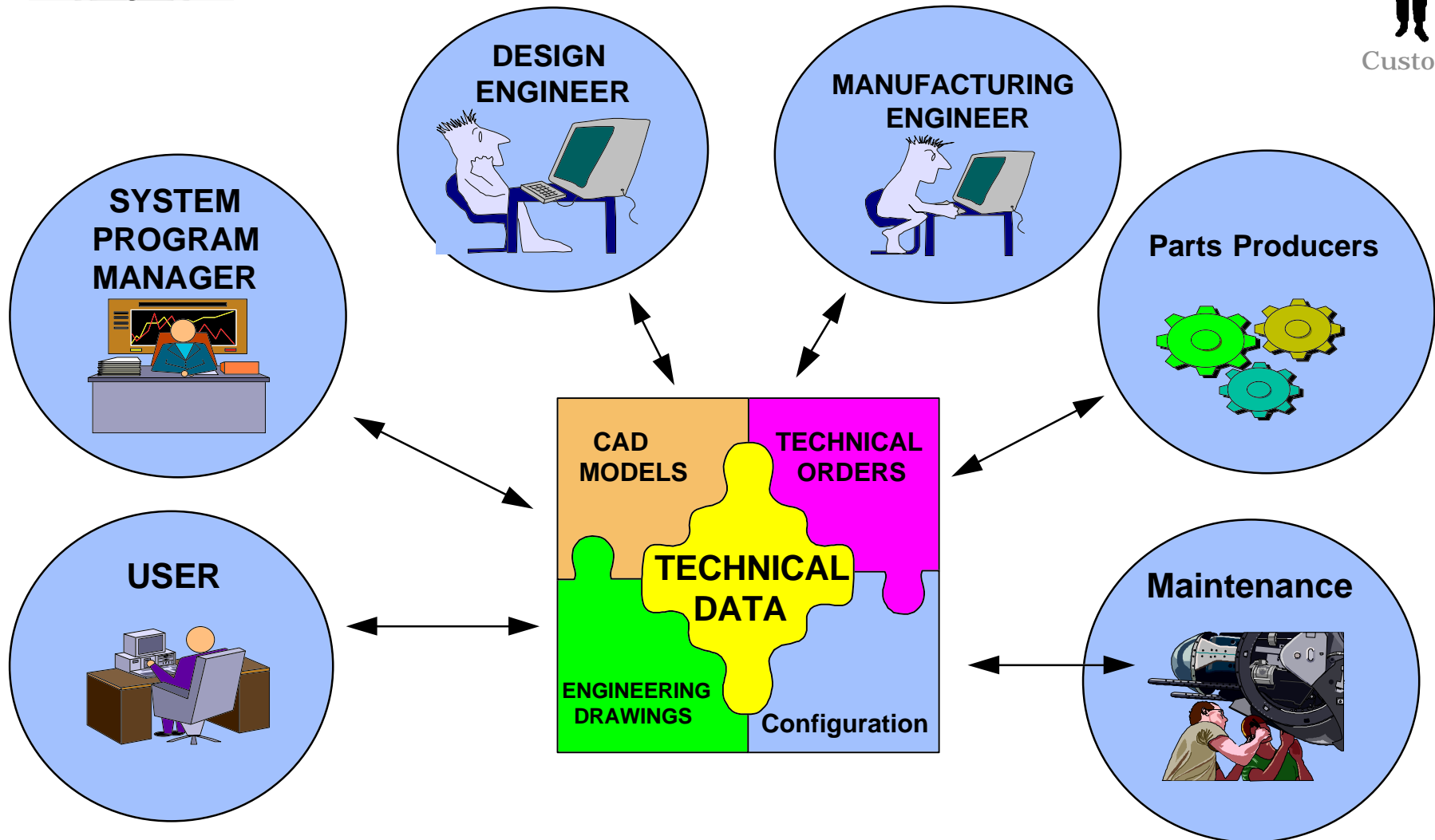- **Acquire Data**

Acquisition
Community
PMs, PEOs, Primes

Policy	Procedures	Methods
Data Types	Data Structures	Data Info Content
Systems Functions	System Interfaces	Tools

- **Use Data**

Logistics
R&D
Procurement
Sustainment
Communities

Many Types of Technical Data Needed for Different Purposes

Customer

DESIGN ENGINEER

MANUFACTURING ENGINEER

SYSTEM PROGRAM MANAGER

Parts Producers

USER

CAD MODELS

TECHNICAL ORDERS

TECHNICAL DATA

ENGINEERING DRAWINGS

Configuration

Maintenance

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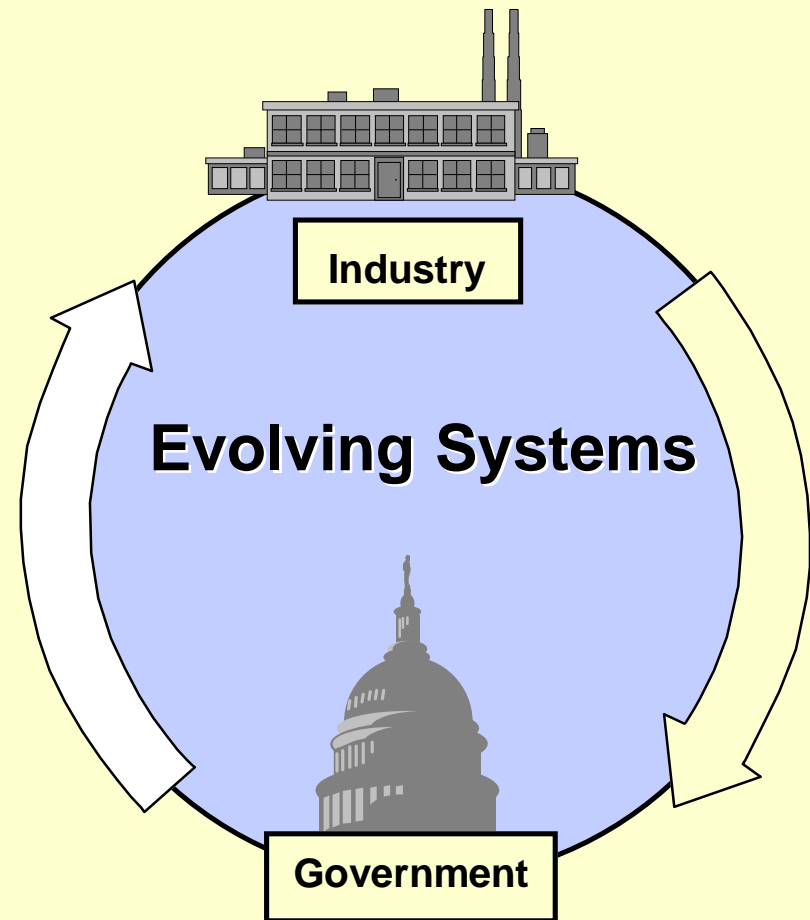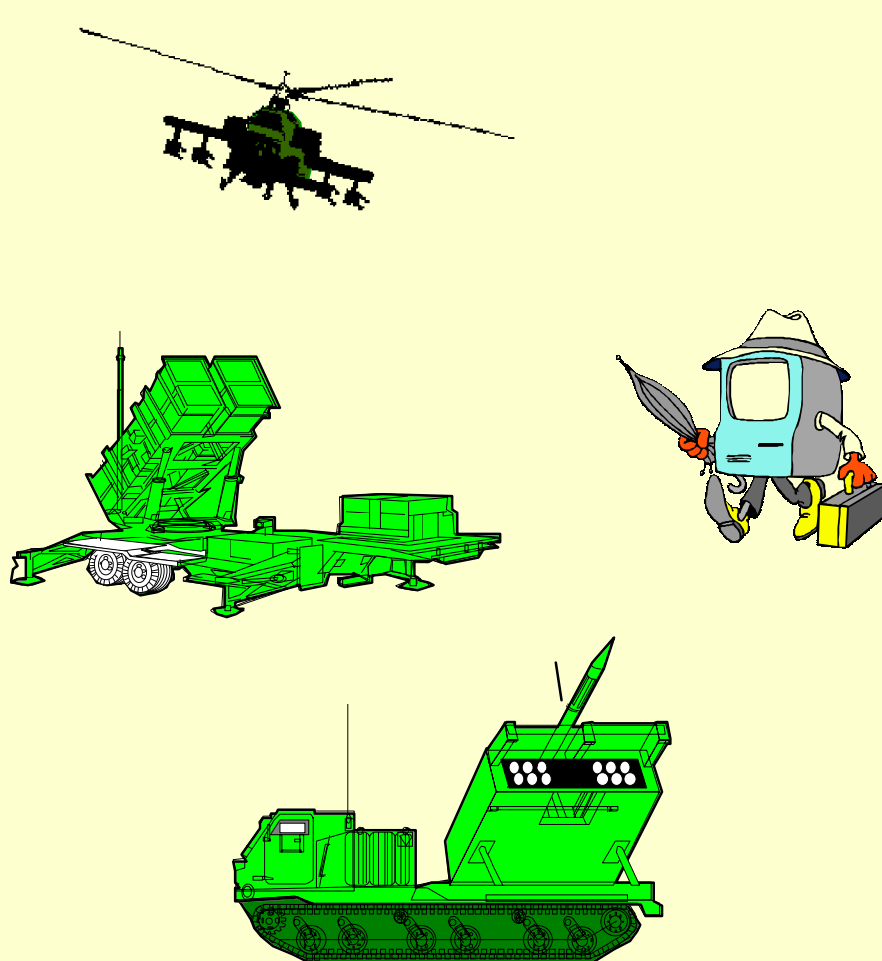# Data Exchange ...
Is not a new problem

**Large Corporate Asset +
a Legacy that can not be overlooked**

- Over 30 years of accumulated data
- AMC has over 10 million digital drawing images stored in DSREDS
- Millions more in non-digital form that are put into repository as needed
- Millions of Configuration Management Records
- Millions more data items managed by Primes

Technology Evolving Faster Than Business Processes and Automation

Industry

Evolving Systems

Government

Evolving Legacy Environment
What Type Data Does Users Need ?

Customer

Data Exchange Standards ?
Tools to use multiple data types ?

I require 200 dpi Raster Images

This system can't handle CAD formats.

Configuration Management
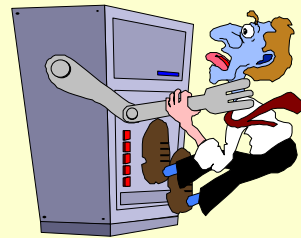
Logistics

Why can't you use my data format ?

DSREDS

I need a drawing image … and I don't have a CAD system !

CAD Formats
Vector Drawings

Developer
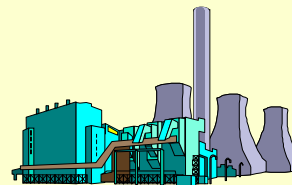
Spares Manufacturing

Sustainment

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JEDMICS
AMC's Technical Data Banker

Manage multiple types of data

HPGL   Mfg.Data: STEP

Gerber   IGES   3D Models

Raster

(Type II)

USER S

PULL

DATA

ELIMINATE

APERTURE

Floppy, Tape

Multiple Media

API

CD-ROM

Intranet

JEDMICS

Floppy, Tape

Multiple Media

Output

API

CD-ROM

Intranet

• Business
Process
must
change

• **Expanded Role...**

Procurement,

Reference Library,

"data banker"

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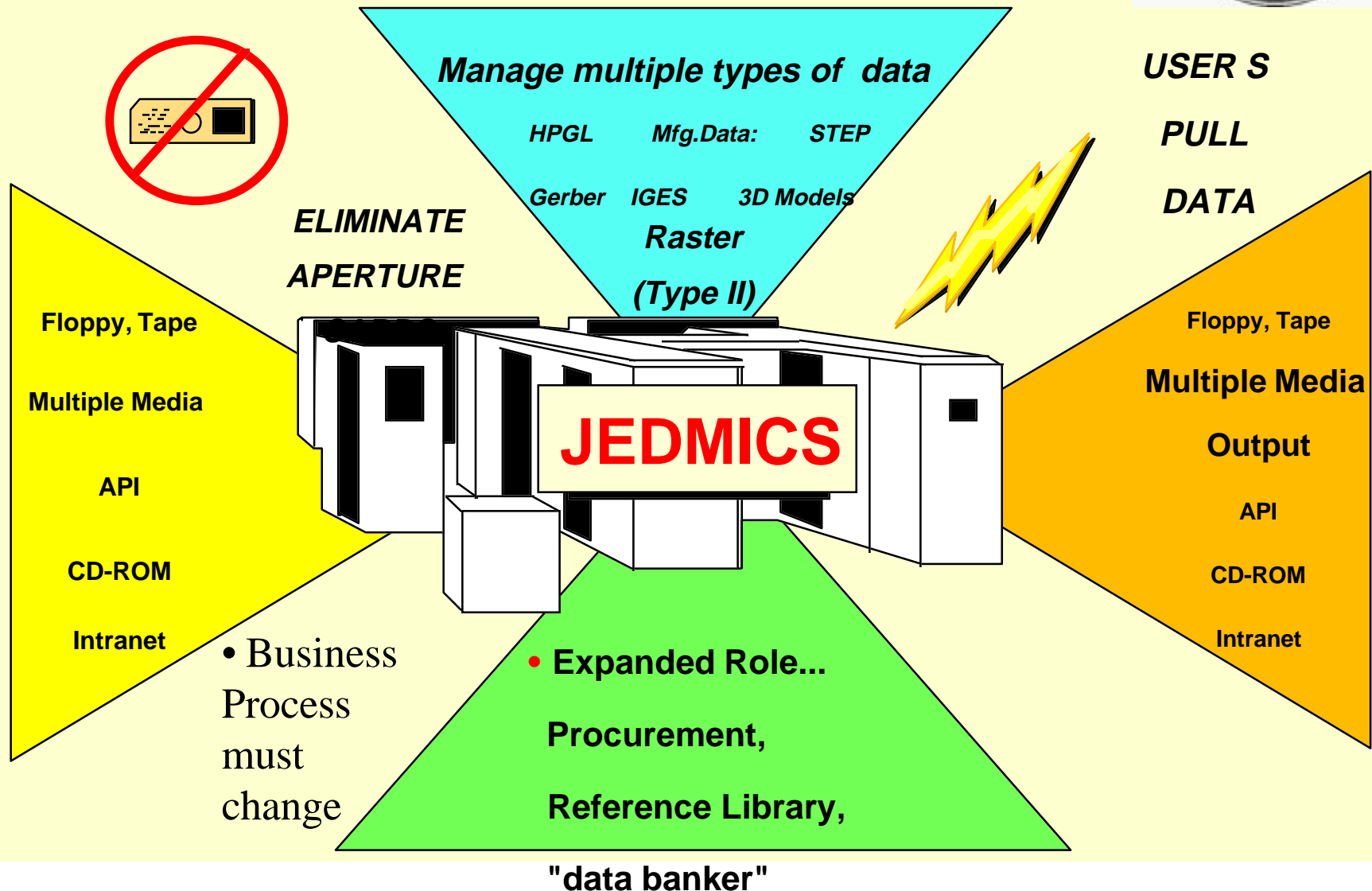
Data Exchange Session Approach

• Acquire Data	• Manage Data	• Many Users of Data
Primary Source Acquisition Community: Primes via PMs, PEOs,	Government Manager + Automation Systems	Reference Source Sustainment - Spares Procurement - Second Sourcing - Logistics - Other Gov't - Depot Repair

Policy, Practices & Procedures

Data Types & Structures

Methods & Tools

Automation Systems Capabilities & Compatibility

Data Exchange Session Focus

- Enablers to allow data exchange … primary focus on technology
  - Discuss current and near term capabilities and limitations
  - Discuss industry, market trends and DOD directions
  - Discuss improvement options (immediate, near term, further study)
  - Discuss Risk level (low, medium, high) of options

- Identify business practices and barriers
- Coordination with other sessions

Other sessions to address business case

- Recommend AMC policy actions needed to facilitate progress

Chairman: Facilitate the discsusion process
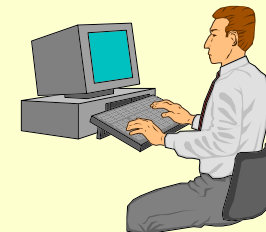
Join me in room S-215
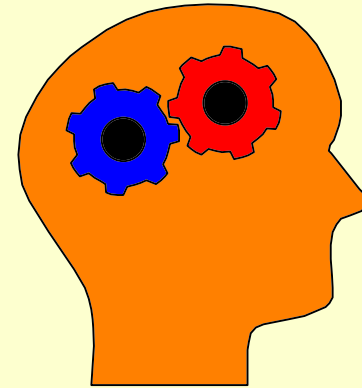
… and bring some good ideas !